

# Comparisons of Job Characteristics

Focus Occupation: **Orthodontists (29-1023)**

Associated Occupation: **Dental Hygienists (29-2021)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Orthodontists (29-1023)

Associated Occupation: Dental Hygienists (29-2021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	17.7	23.4	>>	Current knowledge level is likely more than sufficient
Customer and Personal Service	11.3	14.9	19.7	>>	Current knowledge level is likely more than sufficient
Psychology	6.4	13.2	12.8	0	Current knowledge level may be sufficient
Sales and Marketing	5.2	8.8	14.0	>>	Current knowledge level is likely more than sufficient
Biology	3.7	8.2	15.3	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Orthodontists (29-1023)

Associated Occupation: Dental Hygienists (29-2021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Active Listening	11.0	12.4	12.9	0	Current skill level may be sufficient
Service Orientation	7.9	9.0	10.2	>	Skill level is likely sufficient
Science	4.5	7.7	12.5	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Orthodontists (29-1023)

Associated Occupation: Dental Hygienists (29-2021)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Comprehension	12.5	12.5	14.7	>	Current ability level is likely sufficient
Oral Expression	12.4	12.5	14.2	>	Current ability level is likely sufficient
Problem Sensitivity	11.1	12.2	16.6	>>	Current ability level is likely more than sufficient
Finger Dexterity	7.6	11.8	14.2	>	Current ability level is likely sufficient
Arm-Hand Steadiness	6.8	11.1	12.7	>	Current ability level is likely sufficient
Near Vision	11.1	11.0	13.2	>	Current ability level is likely sufficient
Manual Dexterity	6.5	10.5	11.5	0	Current ability level may be sufficient
Written Expression	9.8	10.5	11.9	>	Current ability level is likely sufficient
Extent Flexibility	4.8	7.5	4.1	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	4.6	3.4	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Orthodontists (29-1023)

Associated Occupation: Dental Hygienists (29-2021)

Work Activities	Exclusivity of Activity
Administer anesthetics	77
Administer injections	60
Administer medications or treatments	46
Analyze dental data	89
Collect dental laboratory diagnostic data	89
Communicate technical information	4
Follow clinical radiation safety procedures	77
Follow infectious materials procedures	52
Identify body response variations	57
Make presentations on health or medical issues	50
Operate dental equipment	89
Understand technical operating, service or repair manuals	6
Use dental treatment procedures	87
Use interpersonal communication techniques	10
Use knowledge of dental terminology	87
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 74

**Focus Occupation: Orthodontists (29-1023)**  
**Associated Occupation: Dental Hygienists (29-2021)**

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Cameras	2
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Dental and subspecialty instruments and devices	37
Dental imaging equipment and supplies	47
Industry specific software	1
Network applications software	1
Presterilization cleaning equipment and solutions	24

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.